

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : PIONEER ELECTRON CORP

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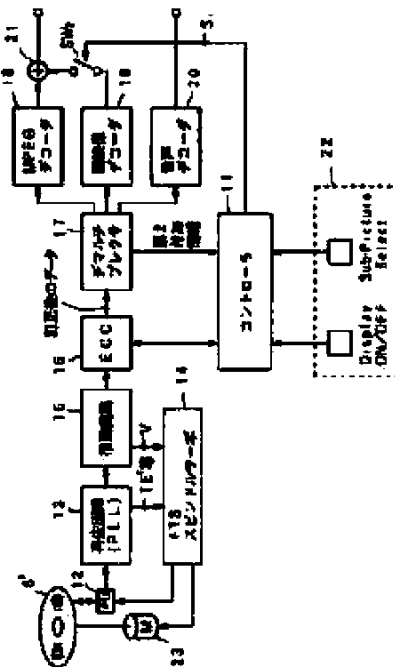
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(54) MEDIUM RECORDING METHOD AND DEVICE, AND MEDIUM REPRODUCING DEVICE

(57)Abstract:

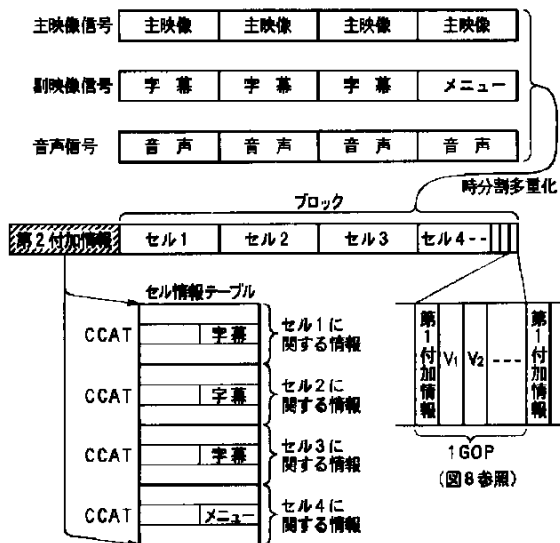
PROBLEM TO BE SOLVED: To correctly control sub video display as specified by adding sub video content information indicating whether or not sub video information is branching information and recording it along with main video information in a prescribed recording medium.

SOLUTION: Main video signals are divided at the optional time and data for which the main video signals corresponding to the divided time, sub video signals and sound signals are compressed and first additional information are recorded. In the first additional information, information instructing the permission and denial of reproduction for respective GOPs for respective multiplex stream data corresponding to the respective GOPs is included. Then, a control means such as a controller 11 or the like instructs the permission and denial of the display of the sub video information based on the information supplied to a reproduction means such as a pickup device 12 and a decoder 13 or the like. Then, a sub video superimposing means such as a keying device 21 and a switch SW or the like superimposes the main video information and the sub video information. At the time, second additional information is added to the head part of a block by switching the switch SW1 and a byte including the sub video content information is obtained.

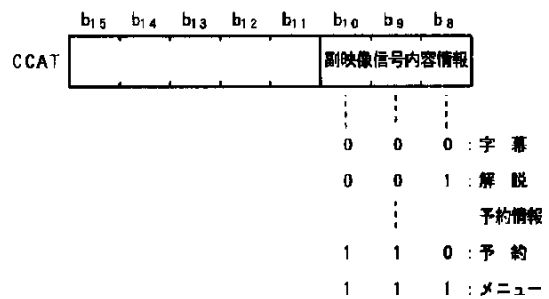


ディスプレイモード	O N		O F F	
	表示開始	表示終了	表示開始	表示終了
副映像出力	O N	O F F	O F F	O F F

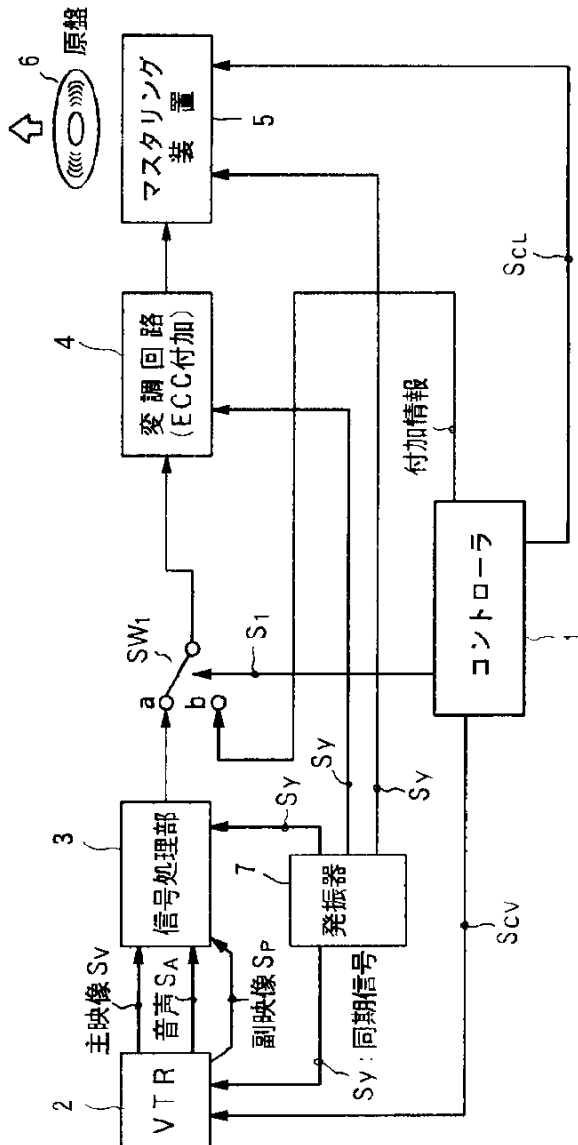
実施形態の付加情報の説明図



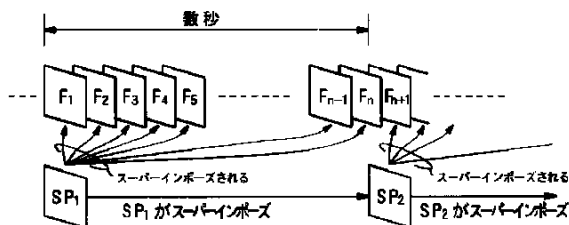
副映像内容情報の割付



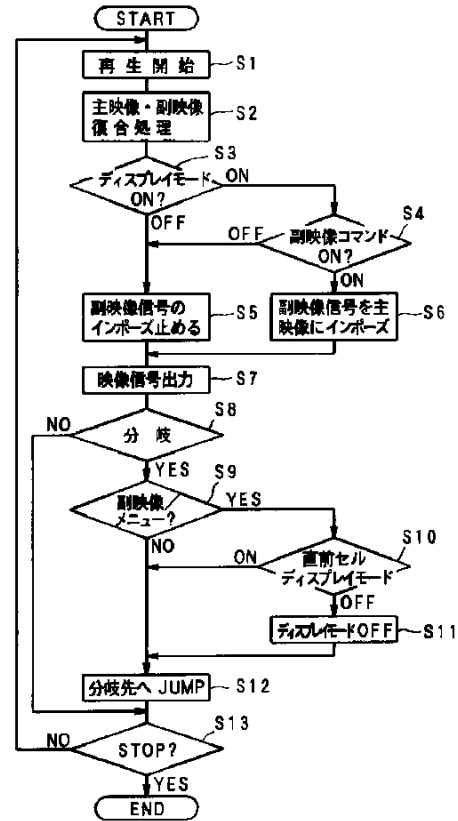
実施形態の媒体記録装置



スーパーインポーズの説明図

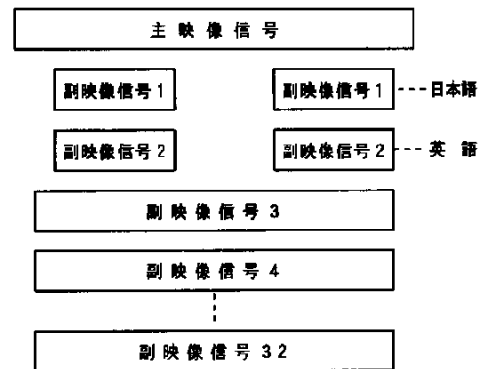


実施形態の媒体再生装置の動作

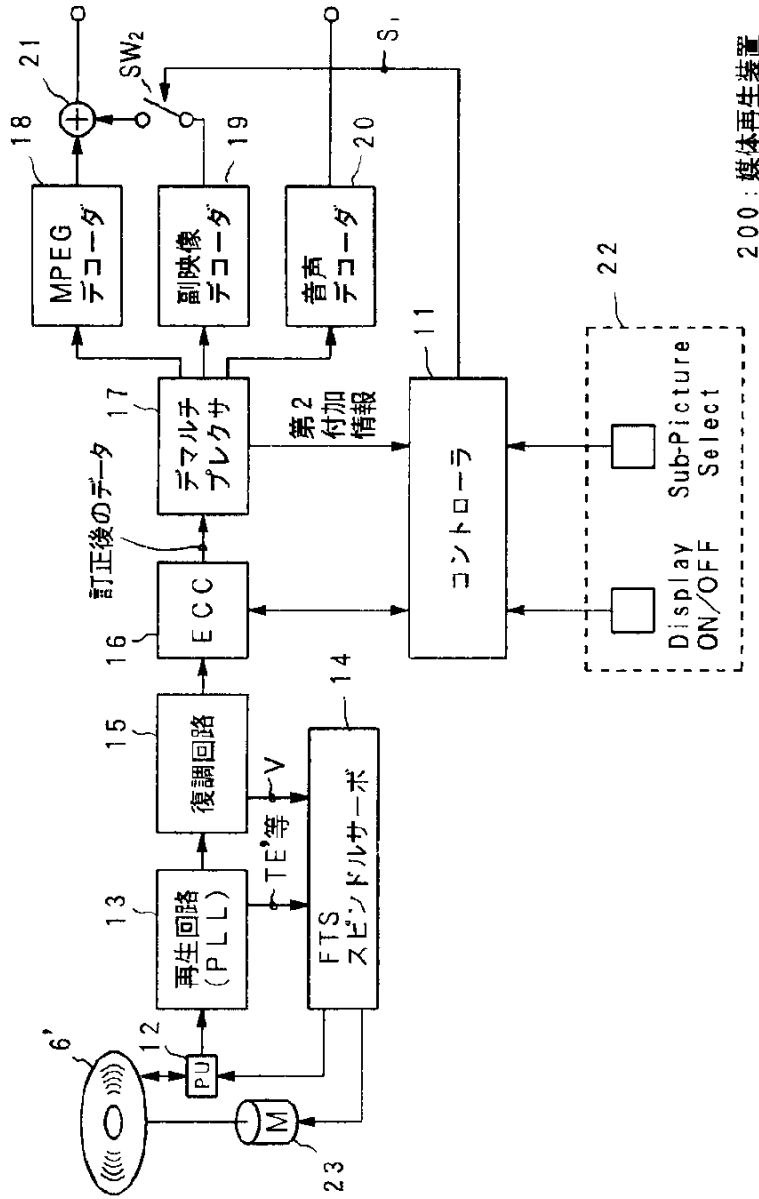


100: 媒体記録装置

記録信号フォーマット例

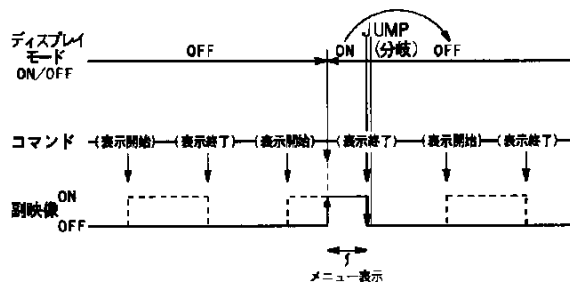


実施形態の媒体再生装置

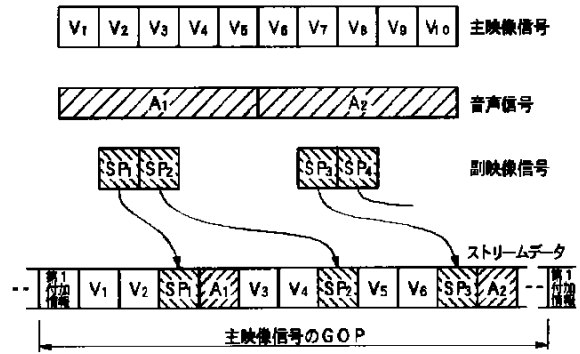


200 : 媒体再生装置

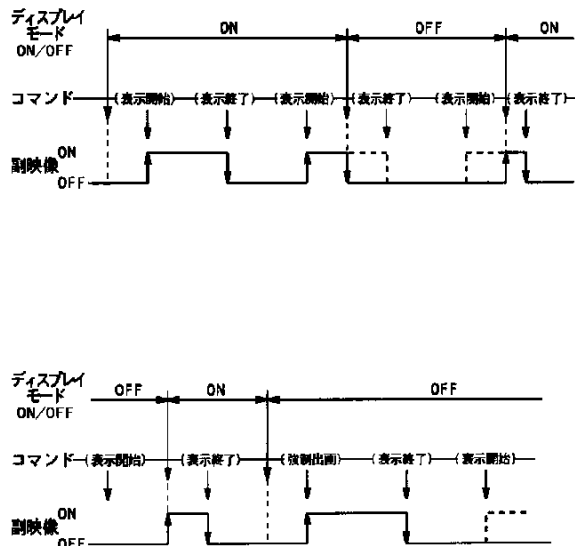
実施例の副映像の表示



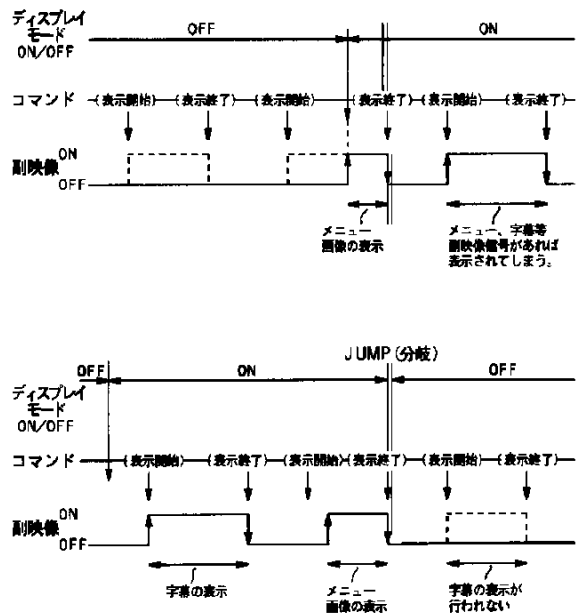
時間軸多重化方法の説明図



スーパーインポーズモードの説明図

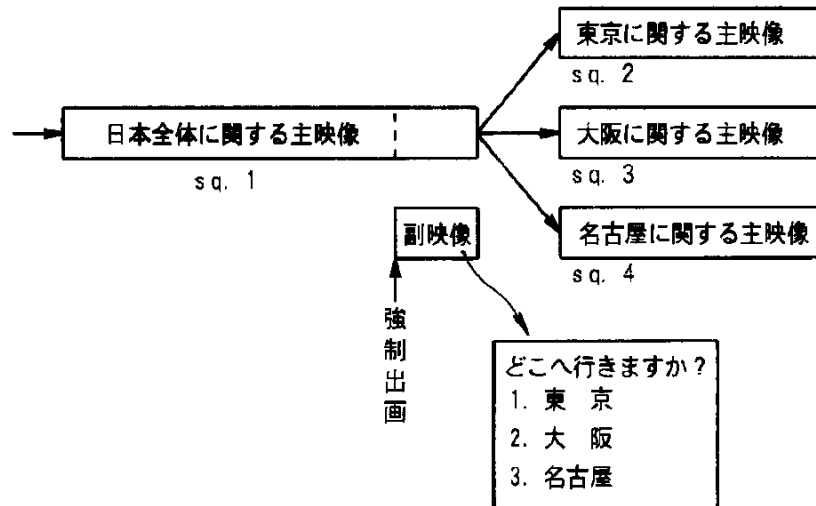


従来技術の問題点



従来の副映像情報の表示方法

(A)



(B)

